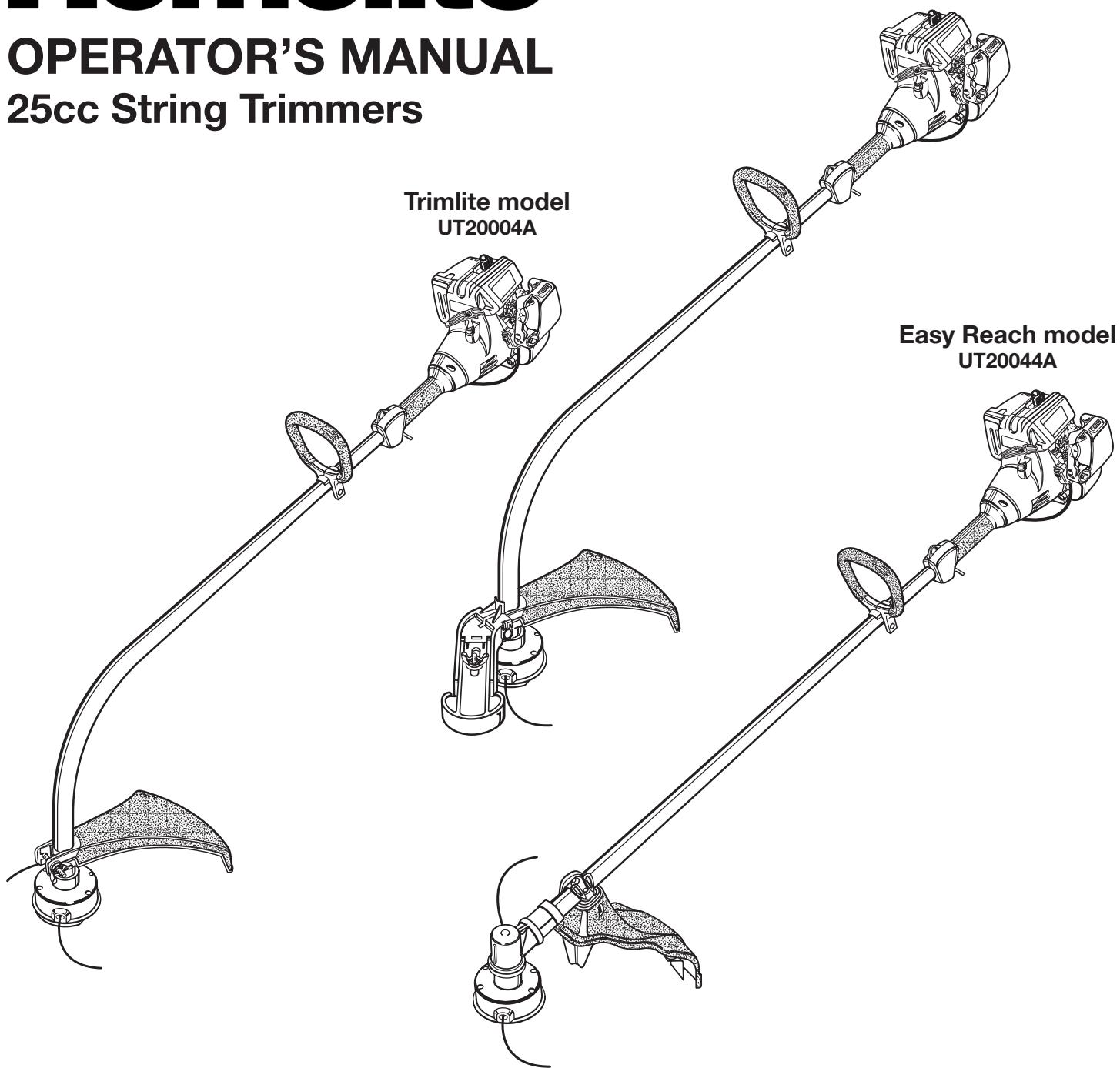




OPERATOR'S MANUAL

25cc String Trimmers

Trim 'n Edge model
UT20024A



Your trimmer has been engineered and manufactured to Homelite's high standard for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.



WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for buying a Homelite product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

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INTRODUCTION

This tool has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

GENERAL SAFETY RULES



WARNING:

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

READ ALL INSTRUCTIONS

- For safe operation, read and understand all instructions before using this product. Follow all safety instructions. Failure to follow all safety instructions listed below, can result in serious personal injury.
- Do not allow children or untrained individuals to use this unit.
- Never start or run the engine in a closed or poorly ventilated area; breathing exhaust fumes can kill.
- Clear the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the cutting line or blade.
- Wear safety glasses or goggles that are marked to comply with ANSI Z87.1 standard when operating this product.
- Wear heavy, long pants, boots, and gloves. Do not wear loose fitting clothing, short pants, or go barefoot. Do not wear jewelry of any kind.
- Product users on United States Forest Service land, and in some states, must comply with fire prevention regulations. This product is equipped with a spark arrestor; however, other user requirements may apply. Check with your federal, state, or local authorities.
- Never operate this unit on the operator's left side.
- Secure long hair above shoulder level to prevent entanglement in moving parts.
- Keep all bystanders, children, and pets at least 50 ft. away.
- Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep firm footing and balance. Do not overreach. Overreaching can result in loss of balance or exposure to hot surfaces.
- To avoid hot surfaces, never operate the unit with the bottom of the engine above waist level.

- Keep all parts of your body away from any moving part.
- Do not touch area around the muffler or cylinder of the unit, these parts get hot from operation.
- Always stop the engine and remove the spark plug wire before making any adjustments or repairs except for carburetor adjustments.
- Inspect the unit before each use for loose fasteners, fuel leaks, etc. Replace any damaged parts before use.
- The string head or blade will rotate during carburetor adjustments.
- It has been reported that vibrations from hand-held tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. It is presently unknown what, if any, vibrations or extent of exposure may contribute to the condition. There are measures that can be taken by the operator to possibly reduce the effects of vibration:
 - a) Keep your body warm in cold weather. When operating the unit wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.
 - b) After each period of operation, exercise to increase blood circulation.
 - c) Take frequent work breaks. Limit the amount of exposure per day.
 - d) Keep the tool well maintained, fasteners tightened and worn parts replaced.

If you experience any of the symptoms of this condition, immediately discontinue use and see your physician about these symptoms.

- Mix and store fuel in a container approved for gasoline.
- Mix fuel outdoors where there are no sparks or flames. Wipe up any fuel spillage. Move 9 m (30 ft.) away from refueling site before starting engine.
- Stop the engine and allow to cool before refueling or storing the unit.
- Allow the engine to cool; empty the fuel tank and secure the unit from moving before transporting in a vehicle.

SPECIFIC SAFETY RULES

SPECIFIC SAFETY RULES FOR TRIMMER USE

- Replace string head if cracked, chipped, or damaged in any way. Be sure the string head or blade is properly installed and securely fastened. Failure to do so can cause serious injury.
- Make sure all guards, straps, deflectors and handles are properly and securely attached.
- Use only the manufacturer's replacement string in the cutting head. Do not use any other cutting attachment.

To install any other brand of cutting head to this string trimmer can result in serious personal injury.

- Never operate unit without the grass deflector in place and in good condition.
- Maintain a firm grip on both handles while trimming. Keep string head below waist level. Never cut with the string head located over 76 cm (30 in.) or more above the ground.

SYMBOLS

Some of the following symbols may be used on this tool. Please study them and learn their meaning for safe operation of this product.

SYMBOL	NAME	EXPLANATION
	Safety Alert Symbol	Precautions that involve your safety.
	Read the Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Wear Eye and Hearing Protection	Wear eye protection which is marked to comply with ANSI Z87.1 as well as hearing protection when operating this equipment.
	Keep Bystanders Away	Keep all bystanders at least 50 ft. (15 m) away.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	No Blade	Do not install or use any type of blade on a product displaying this symbol.
	Gasoline and Oil	Use unleaded gasoline intended for motor vehicle use with an octane rating of 87 ([R + M] / 2) or higher. This product is powered by a 2-cycle engine and requires pre-mixing gasoline and 2-cycle oil.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to your nearest **AUTHORIZED SERVICE CENTER** for repair. When servicing, use only identical replacement parts.



WARNING:

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. Save this operator's manual and review frequently for continuing safe operation and instructing others who may use this product.



WARNING:

The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles, safety glasses with side shields, or a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1.

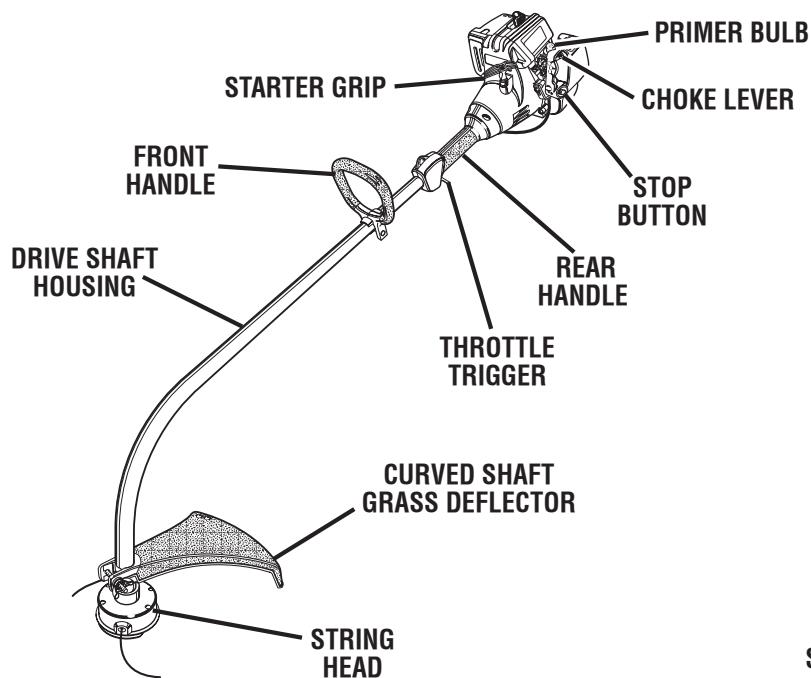
SAVE THESE INSTRUCTIONS

FEATURES

Weight - (without fuel)

Trimlite (UT20004A).....	9.6 lbs. (4.4 kg.)
Trim 'n Edge (UT20024A).....	10 lbs. (4.5 kg.)
Easy Reach (UT20044A).....	10.6 lbs. (4.8 kg.)
String cutting width	17 in. (432 mm)
Engine displacement.....	.25cc
String diameter.....	.080 in. (2.0 mm)

TRIMLITE MODEL



TRIM 'N EDGE MODEL

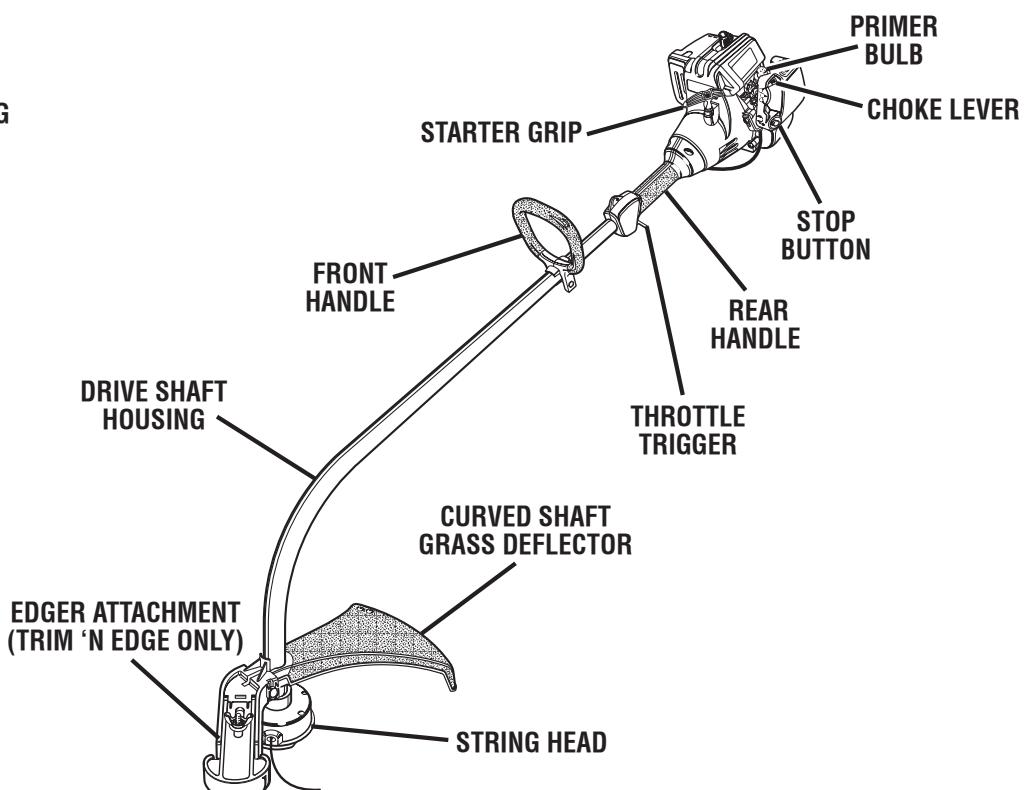


Fig. 1a

FEATURES

EASY REACH MODELS

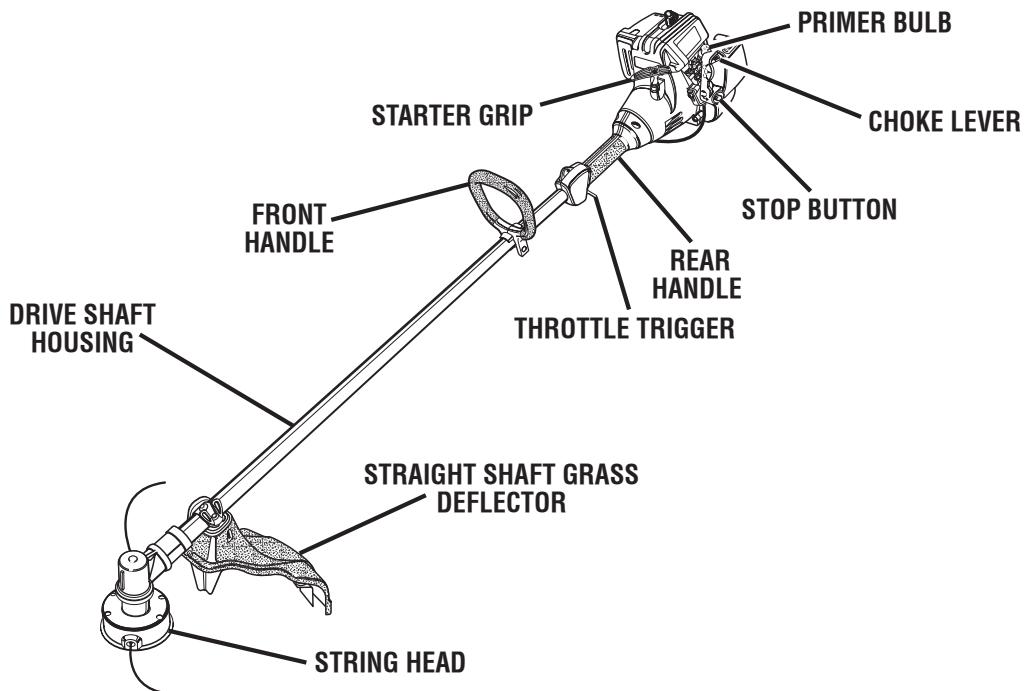


Fig. 1b

KNOW YOUR STRING TRIMMER

See Figures 1a - 1b.

Before attempting to use this product, familiarize yourself with all operating features and safety rules.

ERGONOMIC DESIGN

The design of the trimmer provides for easy handling. It is designed for comfort and ease of grasp when operating in different positions and at different angles.

GRASS DEFLECTOR

The trimmer includes a grass deflector that helps protect you from flying debris.

TOP-MOUNTED MOTOR

The top-mounted motor improves balance and is located away from the dust and debris of the cutting area.

EZ LINE™ TAP ADVANCE SYSTEM

The EZ Line™ Tap Advance System allows easy line advance during trimmer operation.

ASSEMBLY

UNPACKING

This product requires assembly.

- Carefully remove the tool and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please call 1-800-242-4672 for assistance.

PACKING LIST

Trimmer Assembly

Operator's Kit

Front Handle

Curved Shaft Grass Deflector - Trim 'n Edge and Trimlite

Straight Shaft Grass Deflector - Easy Reach

Edger Guide - Trim 'n Edge

Hardware Bags (2) - Trimlite and Easy Reach

Hardware Bags (3) - Trim 'n Edge

Bottle of 2-Cycle Oil

Operator's Manual

WARNING:

If any parts are missing do not operate this tool until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

WARNING:

Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING:

To prevent accidental starting that could cause serious personal injury, always disconnect the engine spark plug wire from the spark plug when assembling parts.

FRONT HANDLE

See Figure 2.

- Remove the front handle, bolt, and wing nut from the operator's kit.
- Install the front handle onto the top side of the drive shaft housing and move it to a comfortable position.
- Place the bolt through the front handle as shown, then install the wing nut.
- Tighten wing nut securely.

CURVED SHAFT GRASS DEFLECTOR WITHOUT EDGER GUIDE - TRIMLITE AND TRIM 'N EDGE

See Figure 3.

- Remove wing nut, flat washer, lock washer, and bolt from the operator's kit.
- Place curved shaft grass deflector over shaft and bracket.
- Install bolt through the slots in the tabs on grass deflector and bracket on shaft housing.
- Install flat washer, lock washer, and wing nut.
- Tighten securely.

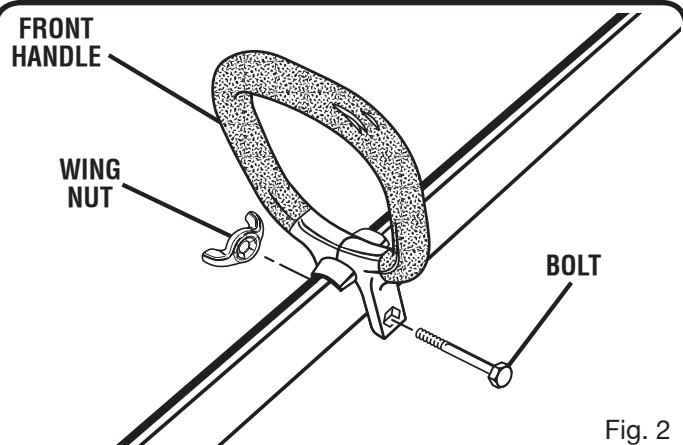


Fig. 2

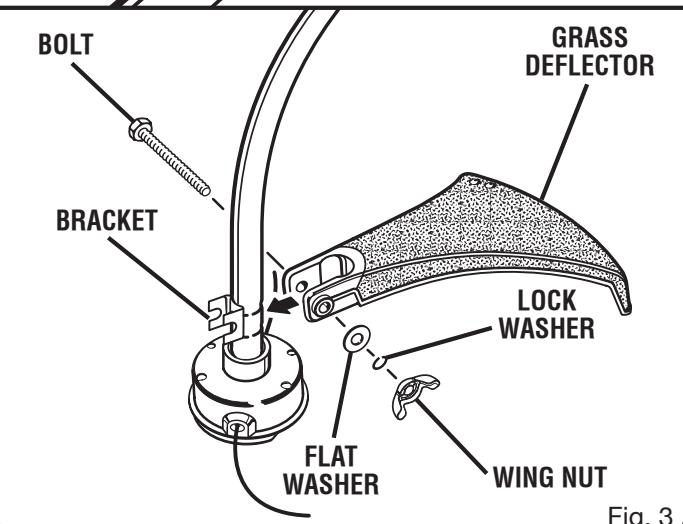


Fig. 3

ASSEMBLY

CURVED SHAFT GRASS DEFLECTOR WITH EDGER GUIDE - TRIM 'N EDGE ONLY

EDGER GUIDE ASSEMBLY

See Figure 4.

- Assemble the two plastic pieces of the edger guide together using the short bolt, flat washer, lock washer and wing nut.
- Slide the edger guide to adjust it to the desired trimming length.
- Tighten the wing nut securely.

CURVED SHAFT GRASS DEFLECTOR WITH EDGER GUIDE - TRIM 'N EDGE ONLY

See Figures 5 - 6.

- Remove the wing nut, flat washer, lock washer, and bolt from the Operator's Kit.
- Place the curved shaft grass deflector over the shaft and bracket.
- Slide the assembled edger guide over the tabs on the grass deflector and trimmer.
- Place the bolt through the slots in the tabs on the grass deflector and trimmer.

NOTE: Ensure the slots are aligned before installing the bolt.

- Install the flat washer, lock washer, and wing nut.
- Tighten the wing nut securely.

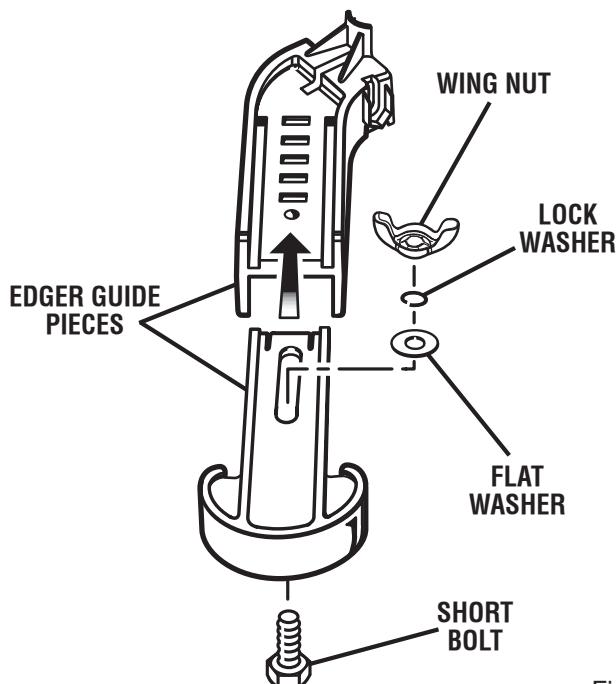


Fig. 4

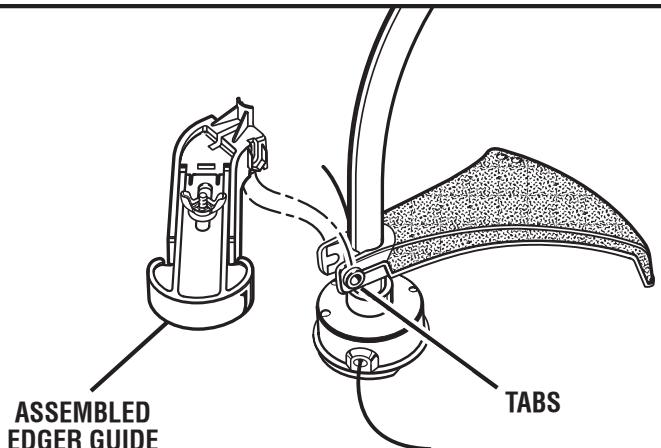


Fig. 5

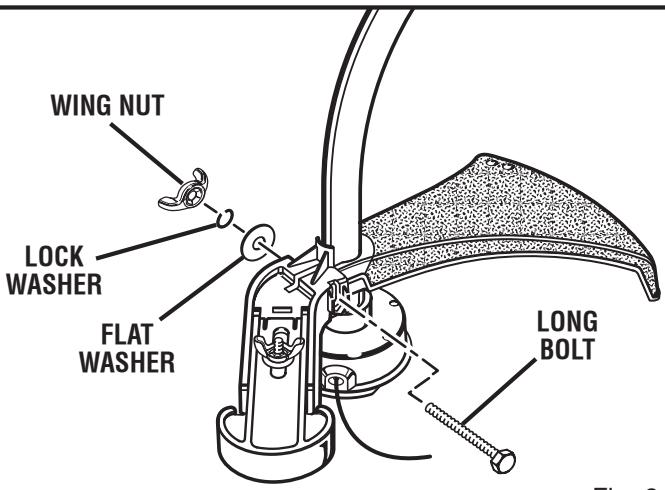


Fig. 6

ASSEMBLY

STRAIGHT SHAFT GRASS DEFLECTOR - EASY REACH

See Figure 7.

- Remove the wing nut and clamp from the grass deflector.
- Assemble straight shaft grass deflector to drive shaft so that the pin in the grass deflector fits in the locator hole in the lower side of the drive shaft near the gear head.
- Place the mounting bracket over the drive shaft so the square tab on the mounting bracket fits into the slot in the straight shaft grass deflector.
- Rotate the mounting bracket so the screw on the grass deflector goes into the slot on the mounting bracket.
- Install the wing nut and tighten securely.

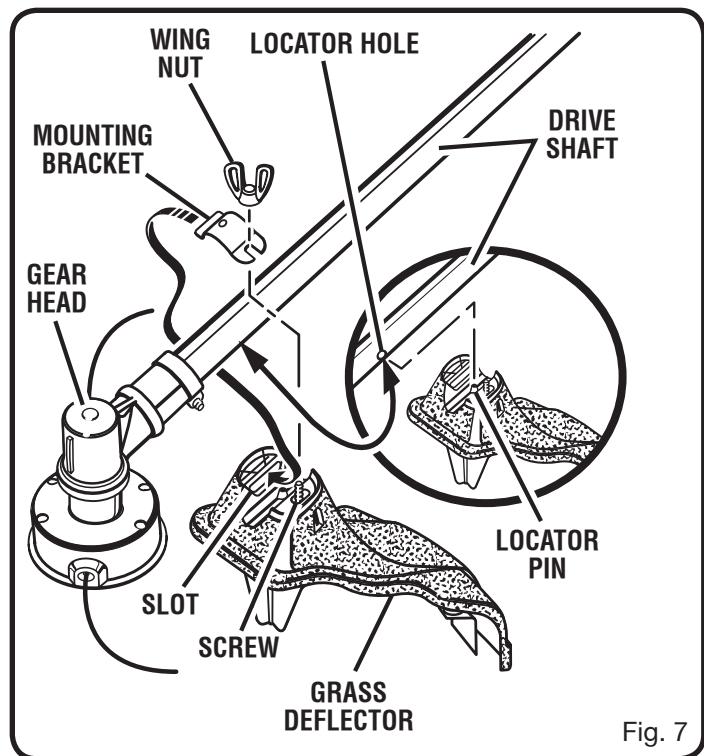


Fig. 7

OPERATION

⚠ WARNING:

Do not allow familiarity with tools to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ WARNING:

Always wear safety goggles or safety glasses with side shields when operating tools. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

⚠ WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this tool. The use of attachments or accessories not recommended can result in serious personal injury.

FUELING AND REFUELING THE TRIMMER

FUEL MIXTURE

This product is powered by a 2-cycle engine and requires pre-mixing gasoline and 2-cycle oil. Pre-mix unleaded gasoline and 2-cycle engine oil in a clean 1 gallon container approved for gasoline.

Recommended fuel: This engine is certified to operate on unleaded gasoline intended for automotive use.

Mix Homelite **Premium Exact Mix** oil with gasoline according to the instructions on the package. If **Premium Exact Mix** oil is not available, use a high quality 2-cycle engine oil, mixed at 2.6 oz. per gallon (US).

Do not use automotive oil or 2-cycle outboard oil.

NOTE: **Premium Exact Mix** fuel mix will stay fresh up to 30 days. DO NOT mix quantities larger than usable in a 30 day period.



PREMIUM EXACT MIX (50:1)

GASOLINE

1 gallon (US)

1 Liter

OIL

2.6 oz.

20 cc (20 ml)

OPERATION

FILLING TANK

- Clean surface around fuel cap to prevent contamination.
- Loosen fuel cap slowly. Rest the cap on a clean surface.
- Carefully pour fuel into the tank. Avoid spillage.
- Prior to replacing the fuel cap, clean and inspect the gasket.
- Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage.

NOTE: It is normal for smoke to be emitted from a new engine after first use.

WARNING:

Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine. Move at least 30 ft. (9 m) from refueling site before starting engine. Do not smoke!

OPERATING THE TRIMMER

See Figure 8.

WARNING:

Always position the unit on the operator's right side. The use of the unit on the operator's left side will expose the user to hot surfaces and can result in possible burn injury.

WARNING:

To avoid burns from hot surfaces, never operate unit with the bottom of the engine above waist level.

Hold the trimmer with your right hand on the rear handle and your left hand on the front handle. Keep a firm grip with both hands while in operation. Trimmer should be held at a comfortable position with the rear handle about hip height.

Always operate trimmer at full throttle. Cut tall grass from the top down. This will prevent grass from wrapping around the shaft housing and string head which may cause damage from overheating. If grass becomes wrapped around the string head, STOP THE ENGINE, disconnect the spark plug wire, and remove the grass. Prolonged cutting at partial throttle will result in oil dripping from the muffler.

STARTING AND STOPPING

See Figures 8 - 9.

Trimmer should be on a flat, bare surface for starting.

- Slowly press the primer bulb seven (7) times.
- Set the choke lever to the **FULL CHOKE** position (A).
- Squeeze the throttle trigger fully and pull starter handle sharply until engine attempts to run. Do not pull the starter handle more than eight (8) times.

NOTE: Keep throttle trigger squeezed fully.

- Set the choke lever to the **HALF CHOKE** position (B).
- Pull the starter handle until the engine runs. Do not pull the starter handle more than six (6) times.
- Allow the engine to run for 15 seconds, then set the choke lever to the **RUN** position (C).

TO STOP THE ENGINE:

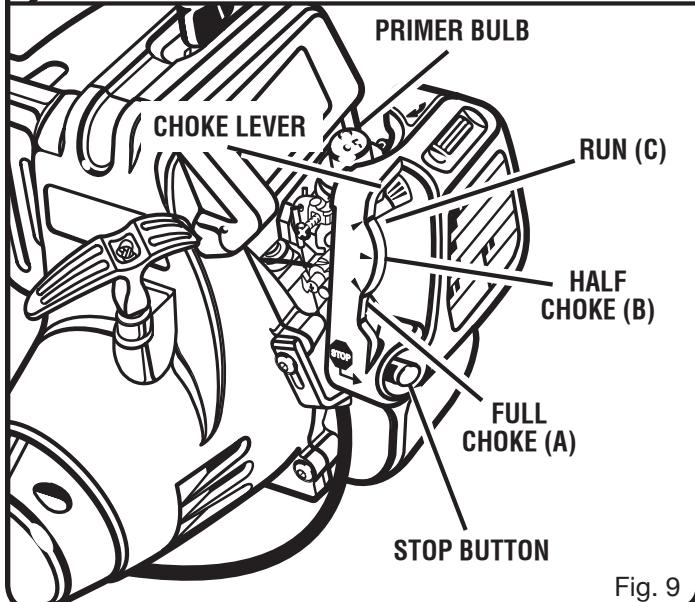
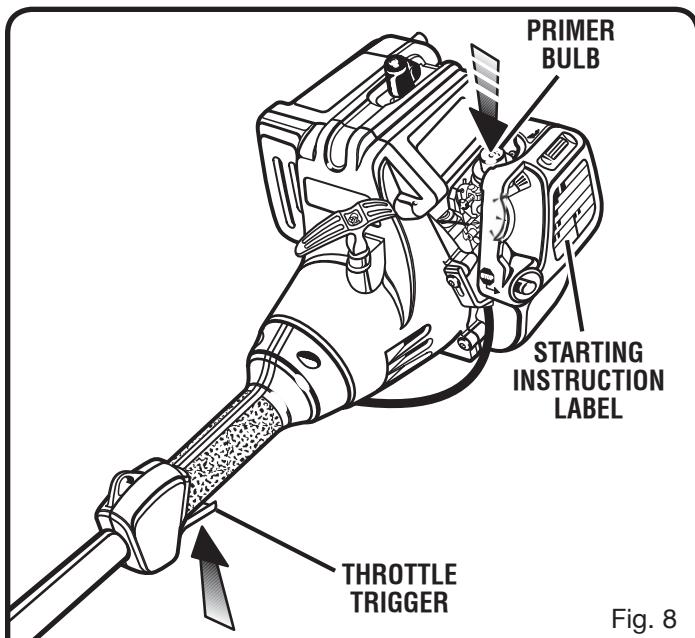
See Figure 9.

To stop the engine, push and hold the **STOP** button until the engine stops.

IF ASSISTANCE IS REQUIRED FOR THIS PRODUCT:

Do not return this product to the retail store where it was purchased. Please call our Customer Service Department for any issues you may have.

For Help Call: 1-800-242-4672



OPERATION

WARNING:

Always hold the string trimmer away from the body keeping clearance between the body and the product. Any contact with the housing or string trimmer cutting head can result in burns and/or other serious personal injury.

ADVANCING STRING USING THE EZ LINE™ TAP ADVANCE SYSTEM

String advance is controlled by tapping string head on grass while running engine at full throttle.

- Run engine at full throttle.
- Tap string head on ground to advance string. String advances each time the head is tapped.
- Several taps may be required until string strikes the cut off blade.
- Resume trimming.

NOTE: If the string is worn too short you may not be able to advance the string by tapping it on the ground. If so, STOP THE ENGINE, and manually advance the string.

ADVANCING THE STRING MANUALLY

Push the spool retainer down while pulling on string(s) to manually advance the string.

CUT OFF BLADE

This trimmer is equipped with a cut-off blade on the grass deflector. For best cutting, advance string until it is trimmed to length by the cut-off blade. Advance string whenever you hear the engine running faster than normal, or when trimming efficiency diminishes. This will maintain best performance and keep string long enough to advance properly.

CUTTING TIPS

See Figure 11.

- Avoid hot surfaces by always keeping the tool away from your body. (Proper operating position shown in figure 10.)
- Keep the trimmer tilted toward the area being cut; this is the best cutting area.
- The curved shaft trimmer cuts when passing the unit from right to left. The straight shaft trimmer cuts when passing the unit from left to right. This will avoid throwing debris at the operator. Avoid cutting in the dangerous area shown in Figure 11.
- Use the tip of string to do the cutting; do not force string head into uncut grass.
- Wire and picket fences cause extra string wear, even breakage. Stone and brick walls, curbs, and wood may wear string rapidly.
- Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the string.



PROPER OPERATING POSITION

Fig. 10

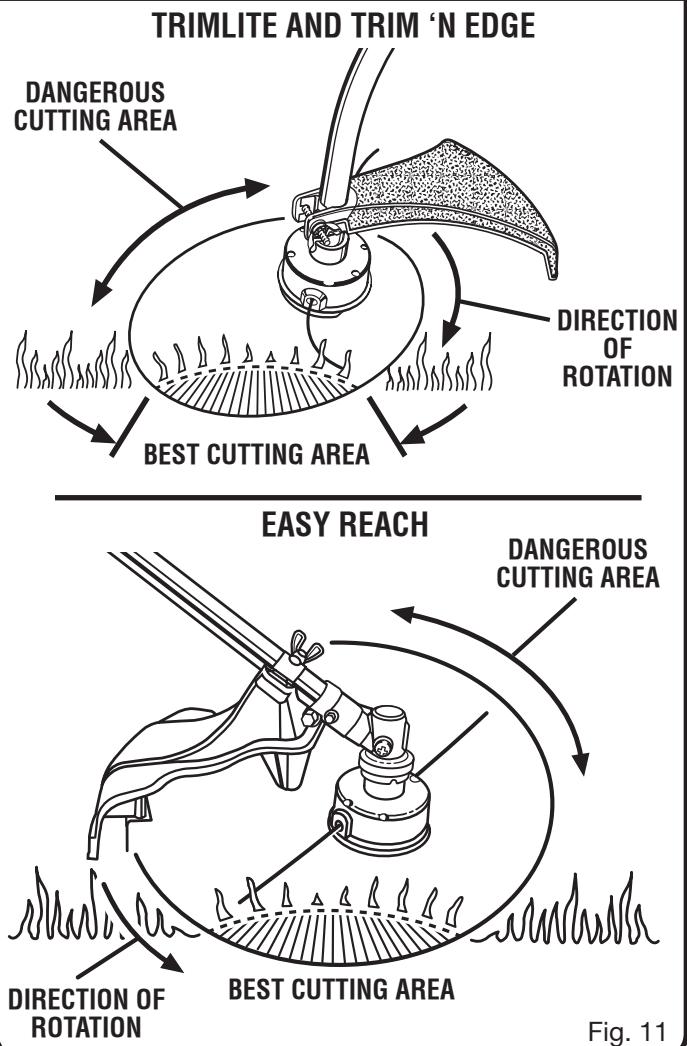


Fig. 11

OPERATION

EDGER GUIDE OPERATION - TRIM 'N EDGE ONLY

See Figures 12 - 13.

- Loosen the wing nut and slide the edger guide to adjust it to the desired trimming length then retighten the wing nut securely. Refer to "Edger Guide Assembly" earlier in this manual for additional information.
- The edger guide allows the trimmer to be used as an edger for cutting along sidewalks, driveways, flower beds, etc. The edger guide is convenient to use and supports the trimmer as it is being used as an edger.
- Be extremely careful when tilting the trimmer to use as an edger. The muffler and the exhaust from the muffler get very hot during operation. Keep the muffler away from all body parts.

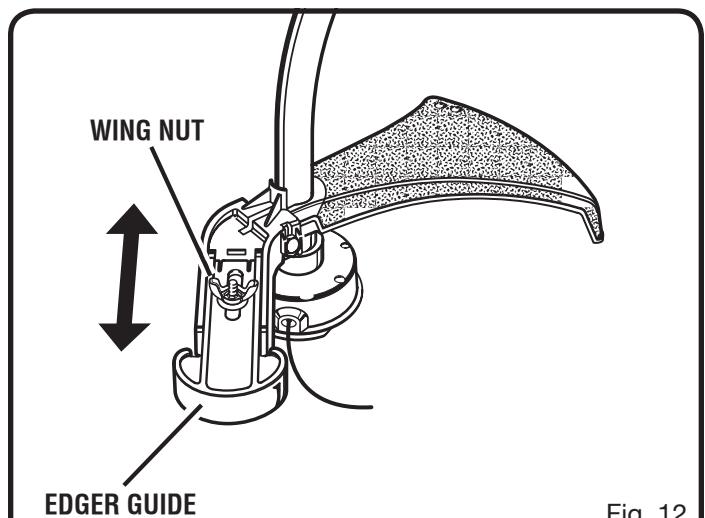


Fig. 12

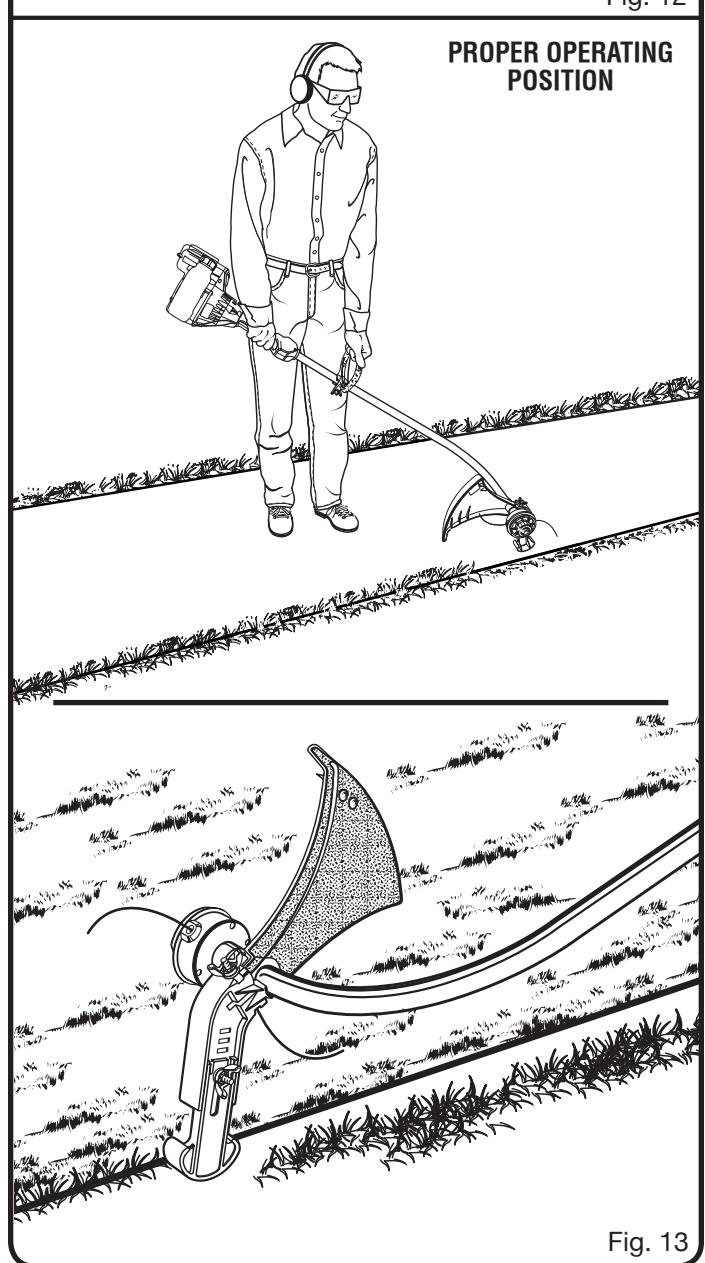


Fig. 13

MAINTENANCE

WARNING:

When servicing, use only identical Homelite replacement parts. Use of any other parts may create a hazard or cause product damage.

WARNING:

Always wear safety goggles or safety glasses with side shields during tool operation. If operation is dusty, also wear a dust mask.

WARNING:

Before inspecting, cleaning, or servicing the machine, shut off engine, wait for all moving parts to stop, and disconnect spark plug wire and move it away from spark plug. Failure to follow these instructions can result in serious personal injury or property damage.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

WARNING:

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

You can often make adjustments and repairs described here. For other repairs, have the trimmer serviced by an authorized service dealer.

SPOOL REPLACEMENT

EZ LINE™ TAP ADVANCE SYSTEM

NEW PREWOUND SPOOL

See Figures 14 - 15.

If replacing string only, refer to "String Replacement" later in this manual.

Use only .080 in. (2.0 mm) diameter monofilament string. Use original manufacturer's replacement string for best performance.

■ Stop the engine and disconnect the spark plug wire. Hold the string head and unscrew the spool retainer.

To remove the spool retainer:

Turn the spool retainer counterclockwise for Trilmite and Trim 'n Edge.

Turn the spool retainer clockwise for Easy Reach.

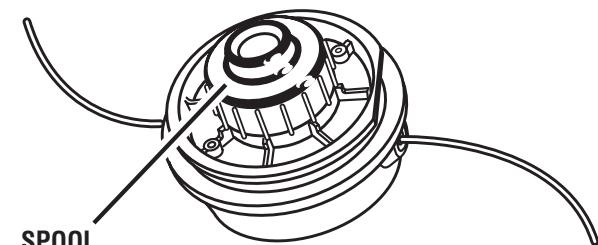


Fig. 14

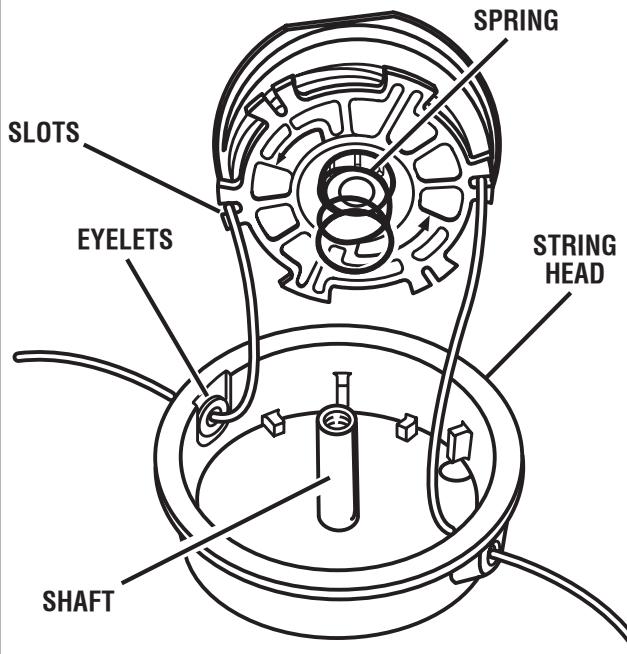


Fig. 15

- Remove the empty spool from the string head. Keep the spring attached to the spool.
- To install the new spool, make sure the two strings are captured in the slots opposite each other on the new spool. Make sure the end of each string is extended approximately 6 in. beyond each slot.
- Thread the strings into the eyelets in the string head. Carefully push the spool into the string head (gently pull the strings to the outside if necessary). When the spool is positioned in the string head, grasp the strings and pull sharply to release them from the slots in the spool.
- Push down and turn the spool counterclockwise until it no longer turns. Hold the spool down and rotate clockwise a small amount. Release the spool. The spool should be locked down in the string head. If not, hold down and rotate until locked.
- Make sure the string head and the spool retainer are installed on the drive shaft.

MAINTENANCE

To install the spool retainer:

Turn the spool retainer clockwise for Trilmite and Trim 'n Edge.

Turn the spool retainer counterclockwise for Easy Reach.

- Pull the strings again to rotate the spool into cutting position. Push the spool retainer down while pulling on string(s) to manually advance the string and to check for proper assembly of the string head.

STRING REPLACEMENT

See Figures 16 - 19.

- Stop the engine and disconnect the spark plug wire. Hold the string head and unscrew the spool retainer.

To remove the spool retainer:

Turn the spool retainer counterclockwise for Trilmite and Trim 'n Edge.

Turn the spool retainer clockwise for Easy Reach.

- Remove the spool from the string head.

NOTE: Keep the spring attached to the spool. Remove any old string remaining on the spool.

- Cut two pieces of string, each being approximately 9 ft. (2.7 m) long. Use only .080 in. (2.0 mm) diameter mono-filament string.

- Insert the first string into the anchor hole in the upper part of the spool. Wind the first string around the upper part of the spool counterclockwise, as shown by the arrows on the spool. Place string in the slot on upper spool flange, leaving about 6 in. (152 mm) extended beyond the slot. Do not overfill. After winding the string, there should be at least 1/4 in. (6 mm) between the wound string and the outside edge of the spool.

- Repeat above step with second string, using the bottom part of spool. Do not overfill.

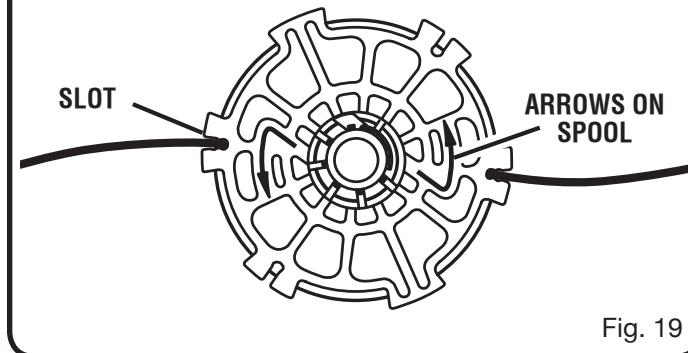
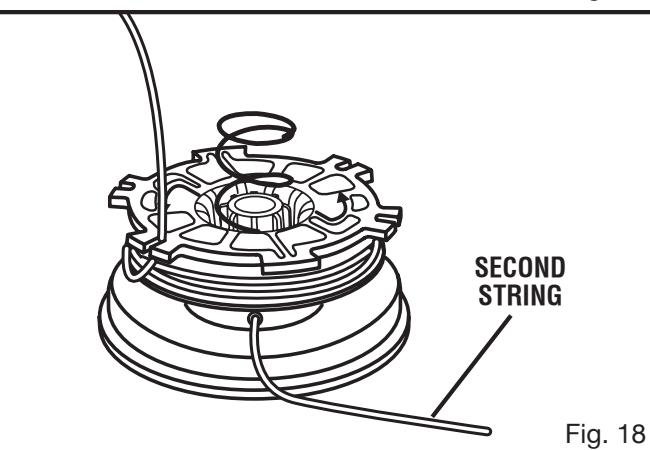
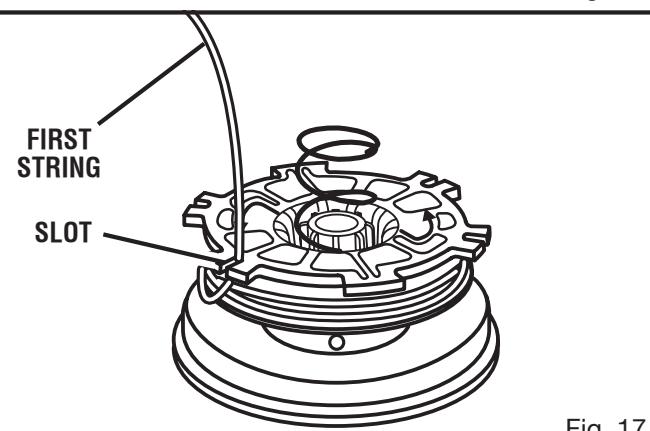
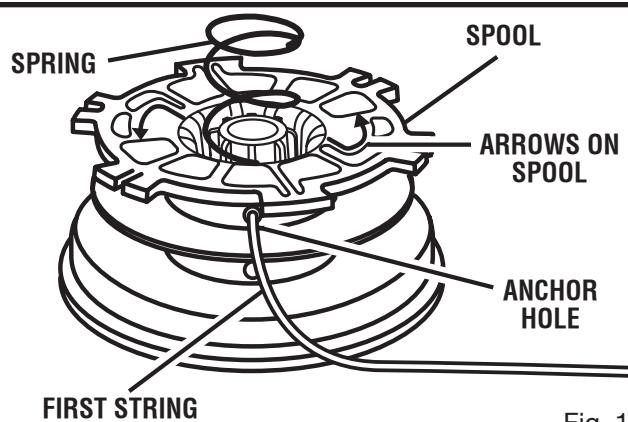
- Replace the spool and the spool retainer. Refer to "Spool Replacement" earlier in this manual.

CLEANING THE EXHAUST PORT AND MUFFLER

NOTE: Depending on the type of fuel used, the type and amount of oil used, and/or your operating conditions, the exhaust port and muffler may become blocked with carbon deposits. If you notice a power loss with your gas powered tool, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

SPARK ARRESTOR

The muffler is equipped with a spark arrestor (screen inside the muffler body). Through normal use, the screen can become dirty and should be periodically cleaned or replaced by an authorized service dealer.



MAINTENANCE

REPLACING AND CLEANING AIR FILTER

See Figures 20 - 21.

For proper performance and long life, keep air filter clean.

- Remove the air filter cover by pushing down on the latch with your thumb while gently pulling on the cover.
- Remove the filter, clean it in warm soapy water. Rinse and let dry completely. For best performance, replace annually.
- Install the filter, align tabs, push in, and make sure the latch snaps and latches into place.

FUEL CAP

WARNING:

A leaking fuel cap is a fire hazard and must be replaced immediately.

The fuel cap contains a non-serviceable filter and a check valve. A clogged fuel filter will cause poor engine performance. If performance improves when the fuel cap is loosened, check valve may be faulty or filter clogged. Replace fuel cap if required.

SPARK PLUG

This engine uses a NGK # BPMR7A spark plug with .025 in. (0.63 mm) electrode gap. Use an exact replacement and replace annually, or more frequently if necessary.

STORING THE TRIMMER (1 MONTH OR LONGER)

- Drain all fuel from tank into a container approved for gasoline. Run engine until it stops.
- Clean all foreign material from the trimmer. Store it in a well-ventilated place that is inaccessible to children. Keep away from corrosive agents such as garden chemicals and de-icing salts.
- Abide by all Federal and local regulations for the safe storage and handling of gasoline. Excess fuel should be used up in other 2-cycle engine powered equipment.

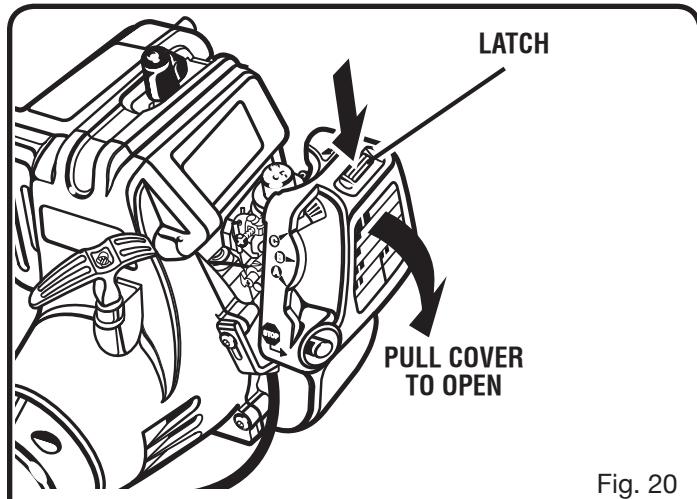


Fig. 20

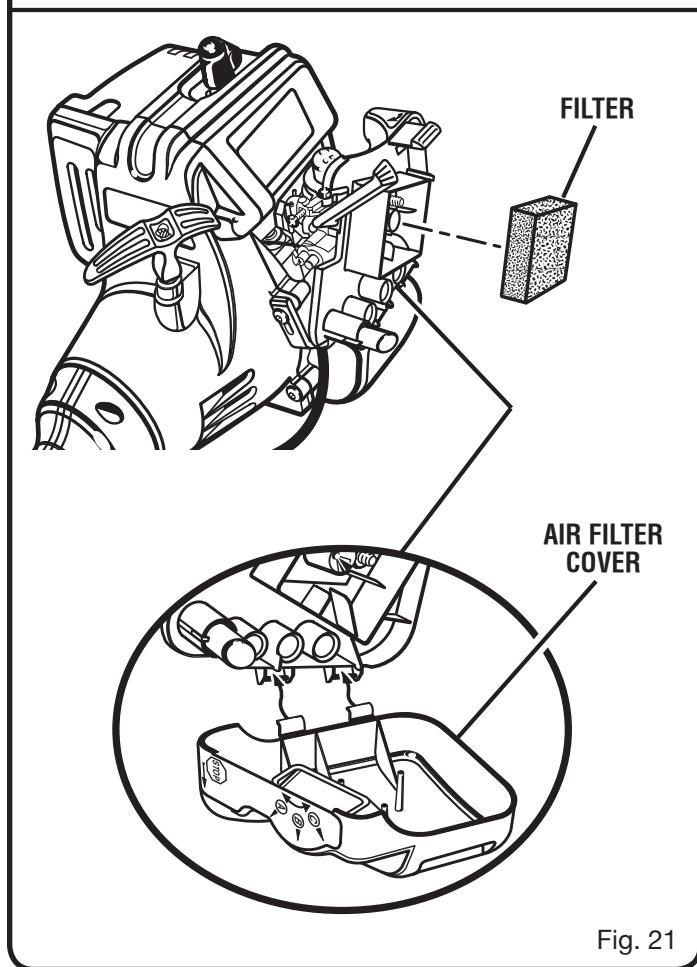


Fig. 21

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Engine will not start	1. No spark. 2. No fuel. 3. Engine is flooded. 4. Starter rope pulls harder now than when new.	1. Check spark. Remove spark plug. Reattach the spark plug cap and lay spark plug on metal cylinder. Pull the starter rope and watch for spark at spark plug tip. If there is no spark, repeat test with a new spark plug. 2. Push primer bulb until bulb is full of fuel. If bulb does not fill, primary fuel delivery system is blocked. Contact a servicing dealer. If primer bulb fills, engine may be flooded, proceed to next item. 3. Remove spark plug, turn trimmer so spark plug hole is aimed at the ground. Move choke lever to "RUN" (C) position and pull starter cord 10 to 15 times. This will clear excess fuel from engine. Clean and reinstall spark plug. Pull starter three times with choke lever at "RUN". If engine does not start, move choke lever to "FULL CHOKE" (A) position and repeat normal starting procedure. If engine still fails to start, repeat procedure with a new spark plug. 4. Contact a servicing dealer.
Engine starts but will not accelerate	Engine requires approximately three minutes to warm up.	Allow engine to completely warm up. If engine does not accelerate after three minutes, contact a servicing dealer.
Engine starts but will only run at high speed at half choke	Carburetor requires adjustment.	Contact a servicing dealer.
Engine does not reach full speed and emits excessive smoke	1. Check oil fuel mixture. 2. Air filter is dirty. 3. Spark arrestor screen is dirty.	1. Use fresh fuel and the correct 2-cycle oil mix. 2. Clean air filter. Refer to "Replacing and Cleaning Air Filter" earlier in this manual. 3. Contact a servicing dealer.
Engine starts, runs, and accelerates but will not idle	Idle speed screw on carburetor needs adjustment.	Turn idle speed screw clockwise to increase idle speed.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
String will not advance when using the EZ Line™ tap advance system	1. String is welded to itself. 2. Not enough string on spool. 3. String is worn too short. 4. String is tangled on spool. 5. Engine speed is too slow.	1. Lubricate with silicone spray. 2. Install more string. Refer to "String Replacement" earlier in this manual. 3. Pull strings while alternately pressing down on and releasing spool retainer. 4. Remove string from spool and rewind. Refer to "String Replacement" earlier in this manual. 5. Advance string at full throttle.
Spool retainer hard to turn when using EZ Line™ tap advance system	Screw threads are dirty or damaged.	Clean threads and lubricate with grease - if no improvement, replace the spool retainer.
Grass wraps around drive-shaft housing and string head	1. Cutting tall grass at ground level. 2. Operating trimmer at part throttle.	1. Cut tall grass from the top down to prevent wrapping. 2. Operate trimmer at full throttle.
Oil drips from muffler	1. Operating trimmer at part throttle. 2. Check oil/fuel mixture. 3. Air filter dirty.	1. Operate trimmer at full throttle. 2. Use fresh fuel and the correct 2-cycle oil mix. 3. Clean per instruction in Maintenance Section.

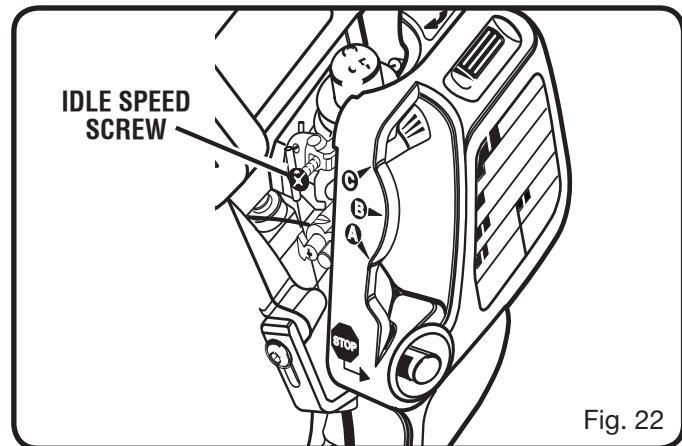


Fig. 22

WARRANTY

LIMITED WARRANTY STATEMENT

Homelite Consumer Products, Inc. warrants to the original retail purchaser that this **HOMELITE** product is free from defect in material and workmanship and agrees to repair or replace, at Homelite Consumer Products, Inc.'s discretion, any defective product free of charge within these time periods from the date of purchase.

One year for the following units: Yard Broom, Trimlite and Bandit;

Two years for all other Homelite products, if the product is used for personal, family or household use;

90 days, if any of the above products are used for any other purpose, such as commercial or rental.

This warranty extends to the original retail purchaser only and commences on the date of the original retail purchase.

Any part of the **HOMELITE** product manufactured or supplied by **HOMELITE** and found in the reasonable judgment of **HOMELITE** to be defective in material or workmanship will be repaired or replaced by an authorized **HOMELITE** service dealer without charge for parts and labor.

The **HOMELITE** product including any defective part must be returned to an authorized service dealer within the warranty period. The expense of delivering the **HOMELITE** product to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid by the owner. **HOMELITE'S** responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any **HOMELITE** product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an authorized **HOMELITE** service dealer.

This warranty is limited to ninety (90) days from the date of original retail purchase for any **HOMELITE** product that is used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any **HOMELITE** product that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the **HOMELITE** operator's manual. This warranty does not apply to any damage to the **HOMELITE** product that is the result of improper maintenance or to any **HOMELITE** product that has been altered or modified. The warranty does not extend to repairs made necessary by normal wear or by the use of parts or accessories which are either **INCOMPATIBLE WITH THE HOMELITE** product or adversely affect its operation, performance, or durability.

In addition, this warranty does not cover:

- A. Tune-ups – Spark Plugs, Carburetor, Carburetor Adjustments, Ignition, Filters
- B. Wear items – Bump Knobs, Outer Spools, Cutting Lines, Inner Reels, Starter Pulleys, Starter Ropes, Drive Belts, Tines, Felt Washers, Hitch Pins, Mulching Blades, Blower Fans, Blower and Vacuum Tubes, Vacuum Bags and Straps, Guide Bars, Saw Chains

HOMELITE reserves the right to change or improve the design of any **HOMELITE** product without assuming any obligation to modify any product previously manufactured.

ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE STATED WARRANTY PERIOD. ACCORDINGLY, ANY SUCH IMPLIED WARRANTIES INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE DISCLAIMED IN THEIR ENTIRETY AFTER THE EXPIRATION OF THE APPROPRIATE TWO-YEAR, ONE-YEAR, OR NINETY DAY WARRANTY PERIOD. **HOMELITE'S** OBLIGATION UNDER THIS WARRANTY IS STRICTLY AND EXCLUSIVELY LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS AND **HOMELITE** DOES NOT ASSUME OR AUTHORIZE ANYONE TO ASSUME FOR THEM ANY OTHER OBLIGATION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. **HOMELITE** ASSUMES NO RESPONSIBILITY FOR INCIDENTAL, CONSEQUENTIAL, OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, EXPENSE OF RETURNING THE **HOMELITE** PRODUCT TO AN AUTHORIZED SERVICE DEALER AND EXPENSE OF DELIVERING IT BACK TO THE OWNER, MECHANIC'S TRAVEL TIME, TELEPHONE OR TELEGRAM CHARGES, RENTAL OF A LIKE PRODUCT DURING THE TIME WARRANTY SERVICE IS BEING PERFORMED, TRAVEL, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, OR INCONVENIENCE, SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty applies to all **HOMELITE** products manufactured by **HOMELITE** and sold in the United States and Canada.

To locate your nearest service dealer, dial 1-800-242-4672 or log on to our website at www.homelite.com.

WARRANTY

THE FOLLOWING CALIFORNIA AIR RESOURCES BOARD (CARB) STATEMENT ONLY APPLIES TO MODEL NUMBERS REQUIRED TO MEET THE CARB REQUIREMENTS.

HOMELITE CONSUMER PRODUCTS, INC. LIMITED WARRANTY FEDERAL AND CALIFORNIA EMISSION CONTROL SYSTEMS NONROAD AND SMALL OFF-ROAD ENGINES

The U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and Homelite Consumer Products, Inc. are pleased to explain the Emission Control System Warranty on your nonroad or small off-road engine. In California, new small off-road engines must be designed, built, and equipped to meet the state's stringent anti-smog standards. In other states, new 2000 and later model year nonroad engines must be designed, built and equipped, at the time of sale, to meet the U.S. EPA regulations for small nonroad engines. The nonroad engine must be free from defects in materials and workmanship which cause it to fail to conform with U.S. EPA standards for the first two years of engine use from the date of sale to the ultimate purchaser. Homelite Consumer Products, Inc. must warrant the emission control system on your nonroad or small off-road engine for the period of time listed above provided there has been no abuse, neglect, or improper maintenance of your nonroad or small off-road engine.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, and the catalytic converter. Also included may be hoses, belts, and connectors and other emission related assemblies.

Where a warrantable condition exists, Homelite Consumer Products, Inc. will repair your nonroad or small off-road engine at no cost to you, including diagnosis (if the diagnostic work is performed at an authorized dealer), parts, and labor.

MANUFACTURER'S WARRANTY COVERAGE:

The 1995 and later small off road engines are warranted for two years in California. In other states, 1997 and later model year nonroad engines are also warranted for two years. If any emission-related part on your engine is defective, the part will be repaired or replaced by Homelite Consumer Products, Inc. free of charge.

OPERATOR'S WARRANTY RESPONSIBILITIES

- (a) As the nonroad or small off-road engine owner, you are responsible for the performance of required maintenance listed in your operator's manual. Homelite Consumer Products, Inc. recommends that you retain all receipts covering maintenance on your nonroad or small off-road engine, but Homelite Consumer Products, Inc., cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. Any replacement part or service that is equivalent in performance and durability may be used in non-warranty maintenance or repairs, and shall not reduce the warranty obligations of the engine manufacturer.
- (b) As the nonroad or small off-road engine owner, you should be aware, however, that Homelite Consumer Products, Inc., may deny you warranty coverage if your nonroad or small off-road engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.
- (c) You are responsible for presenting your nonroad or small off-road engine to a Homelite Consumer Products, Inc., service dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact a Homelite Consumer Products, Inc., Customer Representative at 1-800-242-4672.

COVERAGE:

Homelite Consumer Products, Inc. warrants to the ultimate purchaser and each subsequent purchaser that your nonroad or small off-road engine will be designed, built, and equipped, at the time of sale, to meet all applicable regulations. Homelite Consumer Products, Inc. also warrants to the initial purchaser and each subsequent purchaser that your nonroad or small off-road engine is free from defects in materials and workmanship which cause the engine to fail to conform with applicable regulations for a period of two years. The 1995 and later small off road engines are warranted for two years in California. In all other states for 1997 and later model years, EPA requires manufacturers to warrant non-road engines for two years. These warranty periods will begin on the date the nonroad or small off-road engine is purchased by the initial purchaser. If any emission-related part on your engine is defective, the part will be replaced by Homelite Consumer Products, Inc. at no cost to the owner.

Homelite Consumer Products, Inc. shall remedy warranty defects at any authorized Homelite Consumer Products, Inc. engine dealer or warranty station. Any authorized work done at an authorized dealer or warranty station shall be free of charge to the owner if such work determines that a warranted part is defective. Any manufacturer-approved or equivalent replacement part may be used for any warranty maintenance or repairs on emission-related parts, and must be provided free of charge to the owner if the part is still under warranty. Homelite Consumer Products, Inc. is liable for damages to other engine components caused by the failure of a warranted part still under warranty.

The California Air Resources Board's Emission Warranty Parts List specifically defines the emission-related warranted parts. (EPA's regulations do not include a parts list, but EPA considers emission-related warranted parts to include all the parts listed below.)

These warranted parts are: Carburetor, Spark Plug, Ignition, Air Filter, and Fuel Filter.

MAINTENANCE REQUIREMENTS

The operator is responsible for the performance of the required maintenance as defined by Homelite Consumer Products, Inc. in the operator's manual.

LIMITATIONS

The Emission Control Systems Warranty shall not cover any of the following:

- (a) repair or replacement required because of misuse or neglect, lack of required maintenance, repairs improperly performed, or replacements not conforming to Homelite Consumer Products, Inc. specifications that adversely affect performance and/or durability, and alterations or modifications not recommended or approved in writing by Homelite Consumer Products, Inc., and
- (b) replacement of parts and other services and adjustments necessary for required maintenance at and after the first scheduled replacement point.

The Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements. Category C=50 hours, B=125 hours, and A=300 hours.

WARRANTY

THIS PRODUCT WAS MANUFACTURED WITH A CATALYST MUFFLER

Congratulations! You have made an investment toward protecting the environment. In order to maintain this product's original emission level, please refer to the maintenance section below.

EMISSIONS MAINTENANCE SCHEDULE AND WARRANTED PARTS LIST

Emissions Parts	Inspect Before Each Use	Clean Every 5 Hours	Replace Every 25 Hours or Yearly	Clean Every 25 Hours or Yearly	Replace Every 50 Hours
CATALYTIC MUFFLER ASSEMBLY					
AIR FILTER ASSY					X
includes:					
Filter	X		X		
SPARK SCREEN				X	
CARBURETOR ASSY					
includes:					
Heat Dam					
Gaskets					
FUEL TANK ASSY					
includes:					
Fuel Lines	X				
Fuel Cap	X				
Fuel Filter					
IGNITION ASSY					
includes:					
Spark Plug	X				

ALL EMISSIONS RELATED PARTS ARE WARRANTED FOR TWO YEARS OR FOR THE PERIOD OF TIME PRIOR TO THE PARTS FIRST SCHEDULED REPLACEMENT WHICHEVER COMES FIRST.



CALL US FIRST

For any questions about operating or maintaining your product,
call the Homelite® Help Line!

Your product has been fully tested prior to shipment to ensure
your complete satisfaction.



OPERATOR'S MANUAL

25cc String Trimmers

Trimlite - UT20004A

Trim 'n Edge - UT20024A

Easy Reach - UT20044A



WARNING:

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CALIFORNIA PROPOSITION 65

SERVICE

For parts or service, contact your nearest Homelite authorized service dealer. Be sure to provide all relevant information when you call or visit. For the location of the authorized service dealer nearest you, please call 1-800-242 4672 or visit us online at www.homelite.com.

REPAIR PARTS

The model number of this tool is found on a plate or label attached to the housing. Please record the serial number in the space provided below.

MODEL NUMBER _____

SERIAL NUMBER _____

HOMELITE CONSUMER PRODUCTS, INC.

1428 Pearman Dairy Road, Anderson, SC 29625

Post Office Box 1207, Anderson, SC 29622

Phone 1-800-242-4672

www.homelite.com